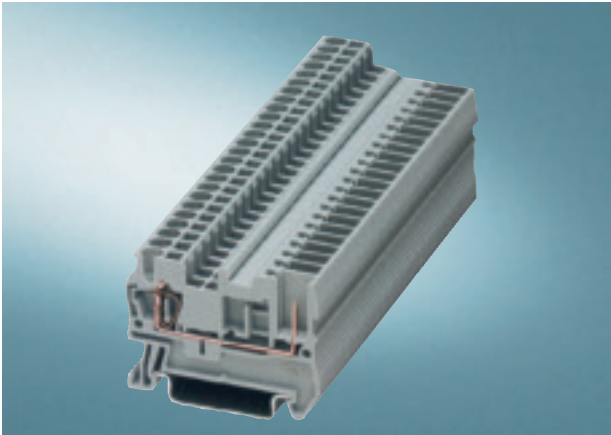


# ALPHA FIX Terminal Blocks

## ALPHA FIX 8WH Combination Plug-In Terminals

### Hybrid through-type terminals

#### Overview

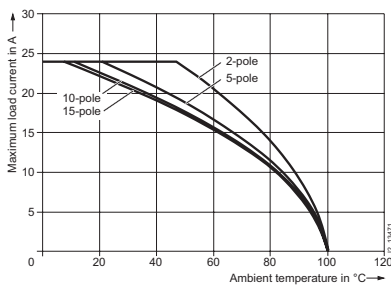


The hybrid through-type terminals provide a modular solution for fast, flexible wiring of plants and machines. They combine the advantages of the combination terminal system with those of inexpensive spring-loaded terminals.

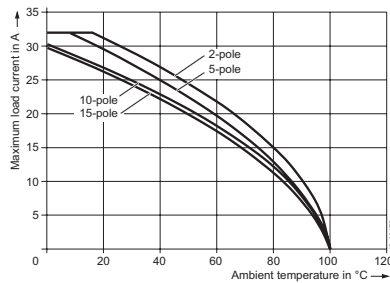
#### Technical specifications

	8WH5 100-2KF00 / -2KF01	8WH5 103-2LF00 / -2LF01	8WH5 104-2MF00 / -2MF01	8WH5 100-3KF07
<b>Dimensions</b>				
• Width / length / width of cover in mm	5.2 / 48.5 / 2.2	5.2 / 60.5 / 2.2	5.2 / 81 / 2.2	5.2 / 48.5 / 2.2
• Height (NS 35/7.5 / NS 35/15) in mm	36.5 / 44			
<b>Technical specifications according to IEC/DIN VDE</b>				
• Max. load current <sup>1)</sup> per cross-section in A/mm <sup>2</sup>	24 / 4			-
• Rated impulse withstand voltage/pollution degree in kV / -	6 / 3			
• Overvoltage category/insulating group - / -	III / I			
<b>Connection capacities</b>				
• Flexible with ferrule with plastic sleeve in mm <sup>2</sup>	0.25 ... 2.5			
• Flexible without ferrule with plastic sleeve in mm <sup>2</sup>	0.25 ... 2.5			
• Flexible with TWIN ferrule with plastic sleeve in mm <sup>2</sup>	0.5			
<b>Stripped length</b>	10			
<b>Plug gage (IEC 60947-1)</b>	A3			
<b>Insulation type</b>	PA			
• Flammability class according to UL 94	V0			
<b>Approval data (UL/CUL and CSA)</b>				
• Nominal voltage/current / cable sizes				
- UL/CUL: in V/A / AWG	300 / 20 / 26-12			- / - / 26-12
- CSA: in V/A / AWG				
<b>Mounting rail/protective conductor busbars</b>	-			See section Mounting rails

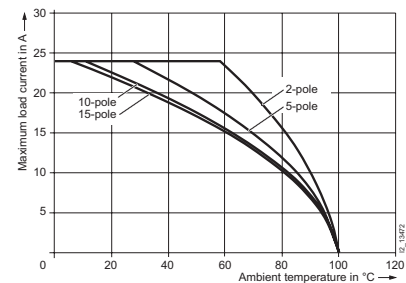
1) For higher temperatures and/or multipin combination plug-in terminals a derating as for load current is necessary.



Derating curve for 8WH5 100-2KF00 & 8WH5 103-2LF00



Derating curve for 8WH5 100-2KG00



Derating curve for 8WH5 104-2MF00

# ALPHA FIX Terminal Blocks

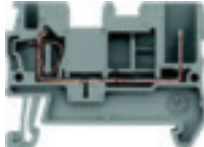
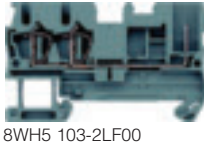

## ALPHA FIX 8WH Combination Plug-In Terminals

### Hybrid through-type terminals

	8WH5 103-3LF07	8WH5 104-3MF07	8WH5 100-2KG00 / -2KG01	8WH5 100-3KG07
<b>Dimensions</b>				
• Width / length / width of cover in mm	5.2 / 60.5 / 2.2	5.2 / 81 / 2.2	6.2 / 55.9 / 2.2	
• Height (NS 35/7.5 / NS 35/15) in mm	36.5 / 44			
<b>Technical specifications according to IEC/DIN VDE</b>				
• Max. load current <sup>1)</sup> per cross-section in A/mm <sup>2</sup>	-		32 / 6	-
• Rated impulse withstand voltage/pollution degree in kV / -	6 / 3			
• Overvoltage category/insulating group - / -	III / I			
<b>Connection capacities</b>				
• Flexible with ferrule with plastic sleeve in mm <sup>2</sup>	0.25 ... 2.5		0.25 ... 4	
• Flexible without ferrule with plastic sleeve in mm <sup>2</sup>	0.25 ... 2.5		0.25 ... 4	
• Flexible with TWIN ferrule with plastic sleeve in mm <sup>2</sup>	0.5		0.5 ... 1	
<b>Stripped length</b>	10			
<b>Plug gage (IEC 60947-1)</b>	A3		A4	
<b>Insulation type</b>	PA			
• Flammability class according to UL 94	V0			
<b>Approval data (UL/CUL and CSA)</b>				
• Nominal voltage/current / cable sizes				
- UL/CUL: in V/A / AWG	- / - / 26-12		600 / 30 / 28-10	- / - / 28-10
- CSA: in V/A / AWG	-		-	-
<b>Mounting rail/protective conductor busbars</b>	See section <i>Mounting rails</i>		-	See section <i>Mounting rails</i>

<sup>1)</sup> For higher temperatures and/or multipin combination plug-in terminals a derating as for load current is necessary.


### Selection and ordering data

Version	Order No.	Price	PG	PS* P. unit
		1 unit		Unit(s)
<b>Terminal size 2.5 mm<sup>2</sup></b>				
<b>Hybrid through-type terminals, terminal size 2.5 mm<sup>2</sup></b>				
 8WH5 100-2KF00	<ul style="list-style-type: none"> <li>Terminal width 5.2 mm</li> <li>UL, IEC 61984</li> <li>Solid, 0.08 ... 4 mm<sup>2</sup></li> <li>Flexible, 0.08 ... 2.5 mm<sup>2</sup></li> <li>AWG 28-12</li> <li>I = 24 A</li> <li>U = 500 V</li> </ul>			
<b>Versions</b>				
 8WH5 103-2LF00	<ul style="list-style-type: none"> <li>Gray</li> <li>Two connection points</li> <li>Three connection points</li> <li>Four connection points</li> </ul>	8WH5 100-2KF00 8WH5 103-2LF00 8WH5 104-2MF00	044	50
 8WH5 104-2MF00	<ul style="list-style-type: none"> <li>Blue</li> <li>Two connection points</li> <li>Three connection points</li> <li>Four connection points</li> </ul>	8WH5 100-2KF01 8WH5 103-2LF01 8WH5 104-2MF01	044	50
<b>Note</b>				
On terminal with three and four connection points, the total current through all connected conductors must not exceed the max. load current.				
<b>Accessories</b>				
	Section	Page		
<b>Compartment partitions, for terminal size 1.5 to 4 mm<sup>2</sup></b>				
• For two connection points	Accessories	3/11	8WH9 070-0AA00	044 50
• For three connection points	Accessories	3/11	8WH9 070-0GA00	044 50
• For four connection points	Accessories	3/11	8WH9 070-0HA00	044 50
<b>Cover plates, for terminal size 2.5 mm<sup>2</sup></b>				
• Two connection points	Accessories	3/11	8WH9 000-1GA00	
• Three connection points	Accessories	3/11	8WH9 000-2GA00	
• Four connection points	Accessories	3/11	8WH9 000-4LA00	044 50
<b>Cover segments, for terminal size 2.5 mm<sup>2</sup></b>				
• Three connection points	Accessories	3/11	8WH9 000-0GA00	044 10
• Four connection points	Accessories	3/11	8WH9 000-0LA00	044 50
<b>Connecting combs, for terminal width 5.2 mm</b>				
• 2-pole	Accessories	3/12	8WH9 020-6BC10	044 50
• 3-pole	Accessories	3/12	8WH9 020-6BD10	044 50
• 4-pole	Accessories	3/12	8WH9 020-6BE10	044 50
• 5-pole	Accessories	3/12	8WH9 020-6BF10	044 50
• 10-pole	Accessories	3/12	8WH9 020-6BL10	044 10
• 20-pole	Accessories	3/12	8WH9 020-6BS10	044 10
• 50-pole	Accessories	3/12	8WH9 020-6BT10	044 10

# ALPHA FIX Terminal Blocks

## ALPHA FIX 8WH Combination Plug-In Terminals


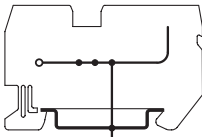







### Hybrid through-type terminals

Version	Order No.	Price	PG	PS* P. unit
		1 unit		Unit(s)
<b>Hybrid through-type PE terminals, terminal size 2.5 mm<sup>2</sup></b>				
<ul style="list-style-type: none"> <li>Terminal width 5.2 mm</li> <li>  </li> <li>IEC 61984           <ul style="list-style-type: none"> <li>Solid, 0.08 ... 4 mm<sup>2</sup></li> <li>Flexible, 0.08 ... 2.5 mm<sup>2</sup></li> <li>AWG 28-12</li> </ul> </li> </ul>				
<b>Versions</b>				
<ul style="list-style-type: none"> <li>Two connection points</li> <li>Three connection points</li> <li>Four connection points</li> </ul>	<b>8WH5 100-3KF07</b> <b>8WH5 103-3LF07</b> <b>8WH5 104-3MF07</b>		044	50
<b>Accessories</b>				
<b>Compartment partitions for terminal size 1.5 to 4 mm<sup>2</sup></b>				
<ul style="list-style-type: none"> <li>For two connection points</li> <li>For three connection points</li> <li>For four connection points</li> </ul>	Accessories 3/11	<b>8WH9 070-0AA00</b> <b>8WH9 070-0GA00</b> <b>8WH9 070-0HA00</b>	044	50
<b>Cover plates, for terminal size 2.5 mm<sup>2</sup></b>				
<ul style="list-style-type: none"> <li>Two connection points</li> <li>Three connection points</li> <li>Four connection points</li> </ul>	Accessories 3/11	<b>8WH9 000-1GA00</b> <b>8WH9 000-2GA00</b> <b>8WH9 000-4LA00</b>	044	50
<b>Cover segments, for terminal size 2.5 mm<sup>2</sup></b>				
<ul style="list-style-type: none"> <li>Three connection points</li> <li>Four connection points</li> </ul>	Accessories 3/11	<b>8WH9 000-0GA00</b> <b>8WH9 000-0LA00</b>	044	10
<b>Connecting combs, for terminal width 5.2 mm</b>				
<ul style="list-style-type: none"> <li>2-pole</li> <li>3-pole</li> <li>4-pole</li> <li>5-pole</li> <li>10-pole</li> <li>20-pole</li> <li>50-pole</li> </ul>	Accessories 3/12	<b>8WH9 020-6BC10</b> <b>8WH9 020-6BD10</b> <b>8WH9 020-6BE10</b> <b>8WH9 020-6BF10</b> <b>8WH9 020-6BL10</b> <b>8WH9 020-6BS10</b> <b>8WH9 020-6BT10</b>	044	50
<b>Terminal size 4 mm<sup>2</sup></b>				
<b>Hybrid through-type terminals, terminal size 4 mm<sup>2</sup>, 2 connection points</b>				
<ul style="list-style-type: none"> <li>Terminal width 6.2 mm</li> <li>IEC 61984           <ul style="list-style-type: none"> <li>Solid, 0.08 ... 6 mm<sup>2</sup></li> <li>Flexible, 0.08 ... 4 mm<sup>2</sup></li> <li>AWG 28-10</li> <li>I = 32 A</li> <li>U = 800 V</li> </ul> </li> </ul>				
<b>Versions</b>				
<ul style="list-style-type: none"> <li>Gray</li> <li>Blue</li> </ul>	<b>8WH5 100-2KG00</b> <b>8WH5 100-2KG01</b>		044	50
<b>Accessories</b>				
<b>Compartment partitions, for terminal size 1.5 to 4 mm<sup>2</sup> and two connection points</b>				
	Accessories 3/11	<b>8WH9 070-0AA00</b>	044	50
<b>Cover plates, for terminal size 4 mm<sup>2</sup> and two connection points</b>				
	Accessories 3/11	<b>8WH9 003-1GA00</b>	044	50
<b>Connecting combs, for terminal width 6.2 mm</b>				
<ul style="list-style-type: none"> <li>2-pole</li> <li>3-pole</li> <li>4-pole</li> <li>5-pole</li> <li>10-pole</li> <li>20-pole</li> <li>50-pole</li> </ul>	Accessories 3/12	<b>8WH9 020-6CC10</b> <b>8WH9 020-6CD10</b> <b>8WH9 020-6CE10</b> <b>8WH9 020-6CF10</b> <b>8WH9 020-6CL10</b> <b>8WH9 020-6CS10</b> <b>8WH9 020-6CT10</b>	044	50

# ALPHA FIX Terminal Blocks

## ALPHA FIX 8WH Combination Plug-In Terminals

### Hybrid through-type terminals

Version	Order No.	Price 1 unit	PG	PS* P. unit Unit(s)
 <p><b>Hybrid through-type PE terminals, terminal size 4 mm<sup>2</sup>, two connection points</b></p> <ul style="list-style-type: none"> <li>Terminal width 6.2 mm</li> <li>IEC 61984               <ul style="list-style-type: none"> <li>Solid, 0.08 ... 6 mm<sup>2</sup></li> <li>Flexible, 0.08 ... 4 mm<sup>2</sup></li> <li>AWG 28-10</li> </ul> </li> </ul> <p>8WH5 100-3KG07</p>	8WH5 100-3KG07		044	50
 <p>8WH5 100-3KG07</p>				
<p><b>Accessories</b></p> <p><b>Compartment partitions, for terminal size 1.5 to 4 mm<sup>2</sup> and two connection points</b></p> <p><b>Cover plates, for terminal size 4 mm<sup>2</sup> and two connection points</b></p> <p><b>Connecting combs, for terminal width 6.2 mm</b></p> <ul style="list-style-type: none"> <li>2-pole</li> <li>3-pole</li> <li>4-pole</li> <li>5-pole</li> <li>10-pole</li> <li>20-pole</li> <li>50-pole</li> </ul>	<p>Section Page</p> <p>Accessories 3/11</p> <p>Accessories 3/11</p> <p>Accessories 3/12</p> <p>Accessories 3/12</p> <p>Accessories 3/12</p> <p>Accessories 3/12</p> <p>Accessories 3/12</p> <p>Accessories 3/12</p> <p>Accessories 3/12</p>			
	8WH9 070-0AA00		044	50
	8WH9 003-1GA00		044	50
	8WH9 020-6CC10		044	50
	8WH9 020-6CD10		044	50
	8WH9 020-6CE10		044	50
	8WH9 020-6CF10		044	50
	8WH9 020-6CL10		044	10
	8WH9 020-6CS10		044	10
	8WH9 020-6CT10		044	10
<b>Accessories</b>				
 <p>8WH9 070-0AA00</p>	<p><b>Compartment partitions, for terminal size 1.5 to 4 mm<sup>2</sup></b></p> <ul style="list-style-type: none"> <li>For visual and electrical separation of terminal groups</li> <li>2 mm thick</li> </ul> <p><b>Versions</b></p> <ul style="list-style-type: none"> <li>For two connection points</li> <li>For three connection points</li> <li>For four connection points</li> </ul>			
	8WH9 070-0AA00		044	50
	8WH9 070-0GA00		044	50
	8WH9 070-0HA00		044	50
 <p>8WH9 000-4LA00</p>	<p><b>Cover plates</b></p> <ul style="list-style-type: none"> <li>For terminal size 2.5 mm<sup>2</sup> <ul style="list-style-type: none"> <li>Two connection points</li> <li>Three connection points</li> <li>Four connection points</li> </ul> </li> <li>For terminal size 4 mm<sup>2</sup> <ul style="list-style-type: none"> <li>Two connection points</li> </ul> </li> </ul>			
	8WH9 000-1GA00		044	50
	8WH9 000-2GA00		044	50
	8WH9 000-4LA00		044	50
	8WH9 003-1GA00		044	50
 <p>8WH9 000-0LA00</p>	<p><b>Cover segments, for terminal size 2.5 mm<sup>2</sup></b></p> <ul style="list-style-type: none"> <li>Three connection points</li> <li>Four connection points</li> </ul>			
	8WH9 000-0GA00		044	10
	8WH9 000-0LA00		044	50
 <p>8WH8 120-2AB05</p>	<p><b>Labeling plates, front, for terminal width 5.2 mm, horizontal inscription</b></p> <ul style="list-style-type: none"> <li>Incremental numbering               <ul style="list-style-type: none"> <li>- 1 to 10 (10x)</li> <li>- 11 to 20 (10x)</li> <li>- 21 to 30 (10x)</li> <li>- 31 to 40 (10x)</li> <li>- 41 to 50 (10x)</li> <li>- 51 to 60 (10x)</li> <li>- 61 to 70 (10x)</li> <li>- 71 to 80 (10x)</li> <li>- 81 to 90 (10x)</li> <li>- 91 to 100 (10x)</li> </ul> </li> <li>L1/L2/L3/N/PE</li> <li>Custom inscription</li> </ul>			
 <p>8WH8 120-2AA15</p>				
	8WH8 120-2AB05		044	100
	8WH8 120-2AB15		044	100
	8WH8 120-2AB25		044	100
	8WH8 120-2AB35		044	100
	8WH8 120-2AB45		044	100
	8WH8 120-2AB55		044	100
	8WH8 120-2AB65		044	100
	8WH8 120-2AB75		044	100
	8WH8 120-2AB85		044	100
	8WH8 120-2AC05		044	100
	8WH8 120-2AA15		044	100
	8WH8 120-2XA05		044	100
 <p>8WH8 140-2AB05</p>	<p><b>Labeling plates, front, for terminal width 5.2 mm, vertical inscription</b></p> <ul style="list-style-type: none"> <li>Incremental numbering               <ul style="list-style-type: none"> <li>- 1 to 10 (10x)</li> <li>- 11 to 20 (10x)</li> <li>- 21 to 30 (10x)</li> <li>- 31 to 40 (10x)</li> <li>- 41 to 50 (10x)</li> <li>- 51 to 60 (10x)</li> <li>- 61 to 70 (10x)</li> <li>- 71 to 80 (10x)</li> <li>- 81 to 90 (10x)</li> <li>- 91 to 100 (10x)</li> </ul> </li> <li>Custom inscription</li> </ul>			
	8WH8 140-2AB05		044	100
	8WH8 140-2AB15		044	100
	8WH8 140-2AB25		044	100
	8WH8 140-2AB35		044	100
	8WH8 140-2AB45		044	100
	8WH8 140-2AB55		044	100
	8WH8 140-2AB65		044	100
	8WH8 140-2AB75		044	100
	8WH8 140-2AB85		044	100
	8WH8 140-2AC05		044	100
	8WH8 140-2XA05		044	100
 <p>8WH8 110-2AA05</p>	<p><b>Labeling plates, front, for terminal width 5.2 mm, blank</b></p>			
	8WH8 110-2AA05		044	100

